

SOURCES OF INFORMATION ON GREAT SALT LAKE

The following is a partial listing of Great Salt Lake information sources. Omissions of other important sources are not intentional.

UTAH GEOLOGICAL SURVEY

Books and Papers

Two reference books on Great Salt Lake published by the UGS include:

Gwynn, J.W., 1980, Great Salt Lake - a Scientific, Historical and Economic Overview: Utah Geological and Mineral Survey Bulletin 116, 400 p.

Gwynn, J.W., 2002, Great Salt Lake - an overview of change: DNR Special Publication, Utah Geological Survey, 584 p. (available on CD only)

In addition, the UGS has a collection of over 300 books, papers, and maps dealing with Great Salt Lake and Utah's western desert. The references are in pdf format, with many in paper format.

Chemical Data

The UGS has lake chemistry (Na, K, Mg, Ca, Cl, SO₄, and density) from 1966 to the present for both arms of the lake. Br, Li, B, and temperature are available for some dates. These data are in Excel format. For the south arm (at two sites) there are currently 1727 analyses, and for the north arm (at two to 3 sites) there are currently 1207 analyses. There are also 190 analyses for miscellaneous sites.

Other Types of Data on electric storage

Other types of data include USGS lake levels, secchi disk readings, depth-density data for numerous sites, Division of water quality lake chemistry from the EPA web site, some data from the Davis County Environmental Health department, lake temperature data, weather data, pre-1966 lake chemistry, USGS area-volume-stage data, USGS lake chemistry data, and thousands of photographs in digital form.

For additional information (from the UGS), contact Wally Gwynn at (801) 537-3366, or by e-mail at <wallygwynn@utah.gov>

USGS

The USGS has been involved with Great Salt Lake research for many years. One of their long-term projects has been recording the lake's water levels. They have also worked in cooperation with state agencies on a variety of other projects to include measuring the flow of water through the causeway's breach and two culverts, brine shrimp and numerous other investigations, and more recently, modeling the water and salt balance of the lake. The USGS has many lake-related publications on general hydrology, salinity, and biology. A listing of USGS publications is available on their web site at <<http://ut.water.usgs.gov/gslpubs/index.html#hdr5>>

OTHER SOURCES OF LAKE INFORMATION

Web sites

EPA web site: <http://www.epa.gov.storet>

This site stores the water chemistry generated by the Utah Division of Water Quality

USGS web site: <http://ut.water.usgs.gov>

This site has information on lake elevations, water quality, and a very informative GSL information page.

UGS web site: <http://www.ugs.state.us/>

This site has a few GSL-related articles and a listing of available publication, and access to the DNR library catalog.

University of Utah Meteorology web site: <http://www.met.utah.edu/research/saltlake>

This site includes a Great Salt Lake Studies section

Gateway to Astronaut Photography web site: <http://eol.jsc.nasa.gov/sseop/clickmap>

This site takes you to a voluminous number of photographs of not only Great Salt Lake, but of the world.

Utah Division of Wildlife Resources web site: <http://www.wildlife.utah.gov.gsl/>

This web site includes Great Salt Lake brine shrimp harvest information, and access to the two volumes of the GSL Comprehensive Management Plan (Resource document and Decision document).

Utah Division of Water Resources web site: <http://www.water.utah.gov>.

Information on the West Desert Pumping Project can be found on this site.

Westminster College - GSL Research web site: <http://www.westminstercollege.edu/gsl/>

This site features information on microbes, chemistry, ecology, and invertebrates.

The nature Conservancy web site: <http://nature.org>

This site contains information on the Great Salt Lake Shorelands Preserve.

Friends of Great Salt Lake web site: <http://www.xmission.com/~fogsl>

This site lists the activity of Friends of Great Salt Lake

Great Salt Lake Audubon web site: <http://www.greatsaltlakeaudubon.org>

Great Salt Lake Audubon is dedicated to protecting and enhancing habitat for wild plants and animals, particularly birds, and to maintaining healthy and diverse environments for wildlife and people throughout the state.

Universities and Other Sources of Information

Utah State University (Water Research Laboratory), Weber State College, Brigham Young University, University of Utah and other centers of learning have also done research on Great Salt Lake. Brine shrimp producers and lake industries have also done research, though this information may or may not be available.